מכון ויצמן למדע
THE WEIZMANN INSTITUTE OF SCIENCE
REHOVOT · ISRAEL רחובות · ישראל

DEPARTMENT OF GENETICS המחלקה לגנטיקה

EW/ID

November 4, 1971

Dr. Daniel Nathans
Department of Microbiology
The Johns Hopkins University
School of Medicine
725 North Wolfe Street
Baltimore, Maryland 21205
U. S. A.

Dear Dan,

Many thanks for your manuscript - and my congratulations to you on a beautiful piece of work.

We are very interested in using the H. influenzae restriction enzyme in order to obtain information on the following point. As you can see from the enclosed preprint (just submitted for publication, so please treat it as confidential) we now know something about the conditions which lead to the production of closed circular SV40 DNA molecules containing sequences homologous to host cell DNA. Obviously, we would now like to know if the homologous sequences are located at a unique site in the SV40 DNA. Maxine Singer from the NIH (she is spending a sabbatical year with us) would like to work on this problem. The plan is to digest the special SV40 DNA molecules (containing host homologous sequences) with restriction enzyme and then, by DNA-DNA hybridization, to see if the homologous sequences are restricted to one, or a few, of the cleavage products. Would you be prepared to send us some H. influenzae enzyme for this purpose? Maxine and I would be happy to consider it as a co-operative project with your group, if this fits in with your plans. If there are difficulties in shipping the enzyme in an active form, and we have to prepare the enzyme here, we would appreciate any advice that you can give us (e.g. can the enzyme be prepared from a non-pathogenic strain of H. influenzae, and, if so, could you send us that strain?).

Sincerely,

Ernest

(ERNEST WINOCOUR)

P.S. Best wishes to your wife and family.

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